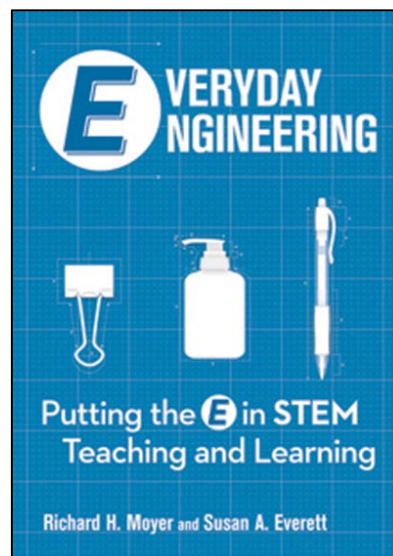


# Everyday Engineering: Putting the E in STEM Teaching and Learning

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**Date Available:** 19 September 2016  
**ISBN:** 978 1 76001 057 7  
**Code/SKU:** NST0577  
**RRP:** \$29.95  
**Format/Page No.:** A4, 120 pages  
**Year Level:** Teachers and Administrators  
**Focus Area:** Activities and Exercises,  
Classroom Practice and Direct  
Instruction, Professional  
Development  
**Key Learning  
Area:** Science



## Summary

Here's an ideal way to spark students' fascination with the marvels of engineering behind the seemingly simple. This book is a compilation of popular "Everyday Engineering" columns from NSTA's middle-level journal, *Science Scope*. The collection is made up of 14 activities that explore engineering's role in five areas: the office, the kitchen, the bathroom, electricity and outdoor recreation. Students can perform hands-on investigations of objects they use all the time, asking questions such as

- What makes a Bic click?
- Why do squirt guns squirt?
- What makes a better cereal box?

Each activity includes a clean explanation of the science and history behind the object's development plus a materials list, student data sheets and safety suggestions. The collection is useful to classroom teachers as well as scout leaders, engineers leading outreach activities, after-school and summer enrichment program staff, and parents.

*Everyday Engineering* may soon have your students taking a number of things apart – and putting together a lifelong interest in engineering.

## Other Resources

- *Models and Approaches to STEM Professional Development* (NST0584)
- *The Case for STEM Education: Challenges and Opportunities* (NST0560)
- *Science for the Next Generation: Preparing for the New Standards* (NST0553)
- *Bring STEM to the Elementary Classroom* (NST0461)